



PATENT  
830003-2002.1  
09/714,712

the enclosed paper copy and computer readable form of the Sequence Listing. It is also respectfully requested that the application be amended as follows:

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Page 23, line 12, please insert the following paragraph

--SEQ ID NOs: are assigned as follows:

SEQ ID NO: 1 refers to human BDCA-2 cDNA sequence

SEQ ID NO: 2 refers to mouse BDCA-2 amino acid sequence

SEQ ID NO: 3 refers to mouse Dectin-2 cDNA sequence

SEQ ID NO: 4 refers to mouse Dectin-2 cDNA sequence

SEQ ID NO: 5 refers to human DCIR amino acid sequence

SEQ ID NO: 6 refers to basic unit of a linking peptide (GGGS)

SEQ ID NO: 7 refers to BDCA-2 forward primer (ttgaaagaac cacacccga aagt)

SEQ ID NO: 8 refers to BDCA-2 reverse primer (tagcttcta caacggtgga tgcc)

SEQ ID NO: 9 refers to BDCA-2 ASN glycosylation domain (NCSV)

SEQ ID NO: 10 refers to BDCA-2 ASN glycosylation domain (NSSY)

SEQ ID NO: 11 refers to BDCA-2 ASN glycosylation domain (NVTF)

SEQ ID NO: 12 refers to Dectin-2 ASN glycosylation domain (NESL)

SEQ ID NO: 13 refers to DCIR ASN glycosylation domain (NESS)

SEQ ID NO: 14 refers to BDCA-2 cAMP- and cGMP- dependent protein kinase phosphorylation site domain (KRLS)

SEQ ID NO: 15 refers to DCIR cAMP- and cGMP- dependent protein kinase phosphorylation site domain (KKTT)



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SEQ ID NO: 16 refers to BDCA-2 Casein kinase II phosphorylation site domain (TREE)

SEQ ID NO: 17 refers to BDCA-2 Casein kinase II phosphorylation site domain (SSEE)

SEQ ID NO: 18 refers to Dectin Casein kinase II phosphorylation site domain (STKE)

SEQ ID NO: 19 refers to Dectin Casein kinase II phosphorylation site domain (STSE)

SEQ ID NO: 20 refers to Dectin Casein kinase II phosphorylation site domain (TEAE)

SEQ ID NO: 21 refers to Dectin Casein kinase II phosphorylation site domain (SICE)

SEQ ID NO: 22 refers to DCIR Casein kinase II phosphorylation site domain (TYAE)

SEQ ID NO: 23 refers to DCIR Casein kinase II phosphorylation site domain (TTKE)

SEQ ID NO: 24 refers to DCIR Casein kinase II phosphorylation site domain (TTLE)

SEQ ID NO: 25 refers to DCIR Casein kinase II phosphorylation site domain (SWQD)

SEQ ID NO: 26 refers to DCIR Casein kinase II phosphorylation site domain (SEKD)

SEQ ID NO: 27 refers to DCIR Casein kinase II phosphorylation site domain (SEKD)

SEQ ID NO: 28 refers to DCIR Casein kinase II phosphorylation site domain (SDPE)

SEQ ID NO: 29 refers to DCIR Casein kinase II phosphorylation site domain (SVCE)

SEQ ID NO: 30 refers to BDCA Tyrosine kinase phosphorylation site domain (KLREYQQY)

SEQ ID NO: 31 refers to mouse Dectin Tyrosine kinase phosphorylation site domain  
(RRLYELHTY)

SEQ ID NO: 32 refers to BDCA-2 Amidation site domain (GGRR)

SEQ ID NO: 33 refers to mouse Dectin N-myristylation site (GVCWTL)

SEQ ID NO: 34 refers to mouse Dectin N-myristylation site (GTMVSE)

SEQ ID NO: 35 refers to mouse Dectin N-myristylation site (GCCPNH)

SEQ ID NO: 36 refers to mouse DCIR N-myristylation site (GINTAS)



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SEQ ID NO: 37 refers to consensus immunoreceptor tyrosine-based inhibitory motif ITIM motif;

(I/V)XYXX(L/V)

SEQ ID NO: 38 refers to the ITIM motif in DCIR (ITYAEV)--;

Page 107, line 4-9, please delete the paragraph and substitute therefor

--All cDNAs were normalized to the mRNA expression level of several different housekeeping genes (glyceraldehyde-3-phosphate dehydrogenase, phospholipase A2,  $\alpha$ -tubulin, and  $\beta$ -actin).

Normalization ensures an accurate assessment of tissue specificity and relative abundance of target mRNAs. The same amount of cDNA (about 50pg) was used for each RT-PCR reaction.

RT-PCR reactions were performed with specific primers for BDCA-2 (forward: 5'-

TTGAAAGAACCACACCCCGAAAGT (SEQ ID NO: 7) and reverse: 5'-

TAGCTTTCTACAACGGTGGATGCC (SEQ ID NO: 8) and primers for the four housekeeping genes mentioned above using AdvanTaq Plus DNA Polymerase (CLONTECH)--; and

Page 107, line 22, to page 108 line 7, please delete the paragraph and substitute therefor

-- The information on the splice variants of BDCA-2 was obtained by RT-PCR amplification of mRNA from plasmacytoid DC with primers complementary to mRNA sequences in front of the start codon (forward primer: 5'-TTGAAAGAACCACACCCCGAAAGT (SEQ ID NO: 7) and behind the stop codon (reverse primer: 5'-TAGCTTTCTACAACGGTGGATGCC (SEQ ID NO: 8), cloning of the resulting fragments in plasmids and sequencing of the inserts. The results are shown in Figure 20. For comparison, splice variants of mouse dendritic cell-associated C-type lectin 2 (Dectin-2) are shown in Figure 21.--;

Immediately after page 112 and before the first page of claims (page 113); if appropriate; please insert the accompanying pages identified as --Sequence Listing--.